

Reference Material

The following references are valuable resources related to the MILCON process and preparation of DD1391s.

Army Regulations

AR 210-20	Master Planning
AR 415-15	Military Construction Army (MCA) Program Development

Engineer Regulations

1110-3-1300	Military Programs Cost Engineering
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Engineering and Construction Bulletins

2005-20	Energy Policy Act of 2005
2005-12	UFC 4-022-01, Security Engineering Entry Control
2005-11	Waivers from DoD Facility Technical Design Requirements
2005-02	UFC 4-023-03, Progressive Collapse
2004-05	Mass Notification Systems in Military Construction Projects
2003-20	Sustainable Project Rating Tool

Technical Manuals

5-800-4	Programming Cost Estimates for Military Construction
5-803-1	Installations Master Planning Principles and Procedures
5-803-5	Installation Design - Improving the Visual Environment
5-803-1	Landscape Design and Planting Criteria
5-803-1	Site Planning and Design
5-810-2	High Temperature Water Heating Systems
5-811-1	Electrical Design: Electric Power Supply and Distribution
5-813-1	Water Supply: General Considerations
5-813-5	Water Supply: Water Distribution
5-814-1	Sanitary Engineering: Sanitary and Industrial Waste, Sewers
5-814-2	Sanitary Engineering: Sanitary and Industrial Wastewater Collection – Pumping Stations and Force Mains
5-820-4	Drainage for Areas other than Airfields
5-822-2	General Provisions and Geometric Design for Roads, Streets, Walks and Open Storage Areas
5-822-5	Flexible Pavements for Roads, Streets, Walks, and Open Storage Areas
5-822-7	Standard Practice for Concrete Pavements
5-848-1	Gas Distribution
5-853-1 thru 4	Security Engineering

Other Publications and Documents

TI 800-01	Technical Instructions, Design Criteria
TI 804-01	Area Planning, Site Planning and Design
TI 804-11	POV Site Circulation and Parking

[HQ, USACE Cost Engineering Website](#)
[Additional References](#)

UFC UNIFIED FACILITIES CRITERIA

UFC 4-010-01	DoD Minimum Antiterrorism Standards for Buildings
UFC 4-010-02	DoD Minimum Antiterrorism Standoff Distances for Buildings (FOUO)

Sustainable Design

[SPiRiT Version 1.4](#)
[Leadership in Energy and Environmental Design \(LEED\)](#)

Army Software

- a) Posted on EKO, optional software
 - i) Security Engineering Planning Assistant (SEPA)
 - ii) Furniture Wizard
 - iii) Electronic Security Systems Design
- b) Download from PAX, required software
 - i) PC-COST
 - ii) ECONPACK
 - iii) ISCE
 - iv) Furniture and Equipment

Suggested Training

[US Army Corps of Engineers PROSPECT Courses](#)

- i) DD Form 1391 Preparation Course
- ii) DD Form 1391 Processor System
- iii) Economic Analysis for MCA
- iv) Master Planning
- v) Security Engineering Training
- vi) Electronic Security Systems Design

[OTHER Courses/Workshops](#)

Information Systems Planning, Programming, and Cost Estimation (ISPPCE) Workshop
(Contact the Huntsville/PAX Support Office.)

PC-Cost Workshop (Contact the Huntsville/PAX Support Office.)

Master Planning Tools (Refer to the R&K Engineering website.)